Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/25/2020 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125207	0	2.06	125281	2.06
Blue	F	SSC	125000	125232	0	1.58	126012	1.58
Blue	E	FITC	15892	15418	-3	2.75	338	20.54
Blue	D	PE	29999	29807	-1	1.94	651	14.66
Blue	B	PerCP-Cy5-5	43732	43804	0	3.62	1178	20.81
Blue	A	PE-Cy7	30845	31124	0	6.09	592	40.63
Red	C	APC	46112	45546	-2	2.47	1611	12.23
Red	A	APC-Cy7	30458	29825	-3	2.36	788	11.92
Violet	B	V450	7918	7549	-5	4.25	422	13.48
Violet	A	V500	32171	31169	-4	4.03	725	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17612	10.64	622	1	N/A	N/A	Pass
Blue	F	SSC	57028	1.13	563	4	N/A	N/A	Pass
Blue	E	FITC	62	62.06	543	0	0.0181	71	Pass
Blue	D	PE	136	49.42	550	2	0.1635	267	Pass
Blue	B	PerCP-Cy5-5	215	50.43	658	2	0.0085	33	Pass
Blue	A	PE-Cy7	109	102.79	701	3	0.0112	22	Pass
Red	C	APC	384	25.86	588	4	0.0242	188	Pass
Red	A	APC-Cy7	173	29.65	560	4	0.0058	1432	Pass
Violet	B	V450	64	60.23	460	2	0.0456	1792	Pass
Violet	A	V500	109	32.95	477	3	0.0240	741	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.47	-31.76	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	15.72	13.60 - 20.40	N/A	N/A	29.14	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9625

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments